

# Michigan

The U.S. oil and natural gas industry provides energy security and economic benefits to our nation, supporting more than **9.8 million jobs** and contributing **\$1.2 trillion** in added value to the economy.<sup>1</sup>

## Energy is Crucial for Michigan

<p><b>182,000</b></p> <p>Total statewide jobs provided or supported by the oil and natural gas industry.<sup>1</sup></p>	<p><b>\$8.8 BILLION</b></p> <p>Contribution to Michigan's labor income.<sup>1</sup></p>
<p><b>\$15.8 BILLION</b></p> <p>Value added to Michigan economy.<sup>1</sup></p>	<p><b>295</b></p> <p>Identified Michigan vendors in the oil and natural gas supply chain.<sup>3</sup></p>
<p><b>\$48,043</b></p> <p>Average salary in Michigan across all industries.<sup>2</sup></p>	<p><b>\$75,731</b></p> <p>Average salary in Michigan for non-gas station oil and natural gas employees.<sup>2</sup></p>

POTENTIAL IMPACT ON U.S. (by 2035)	MORE	
	Pro-Energy Policies	Regulatory Constraints
Oil & Natural Gas Production (MMboed)	<b>+8.0</b>	<b>-3.4</b>
Total Jobs Supported	<b>+2.3 million</b>	<b>-830 thousand</b>
GDP / Year	<b>+\$443 billion</b>	<b>-\$133 billion</b>
Total Government Revenue / Year	<b>+\$122 billion</b>	<b>-\$18 billion</b>
Cumulative Government Revenue from 2016	<b>\$1.08 trillion</b>	<b>-\$500 billion</b>
Total Household Income / Year	<b>+\$118 billion</b>	<b>-\$43 billion</b>
Average Household Energy Expense	<b>-\$360/year</b>	<b>+\$242/year</b>

LESS

<sup>1</sup>PWC, "Economic Impacts of the Oil and Natural Gas Industry on the US Economy in 2011," July 2013.

<sup>2</sup>Bureau of Labor Statistics, Quarterly Census of Employment and Wages. Data includes NAICS code 324 which may count some coal product manufacturing jobs.

<sup>3</sup>API Vendor Survey Findings Report.

Source: Incremental impacts assessed versus a Baseline scenario

# New Ozone Rules Could be Most Expensive Regulations Ever



## What Could New Ozone Regulations Cost Michigan?\*



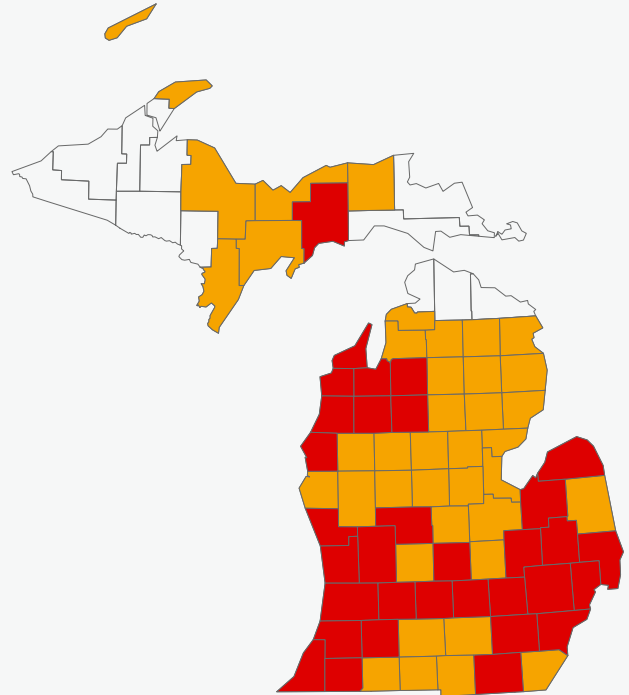
**\$15.3 Billion** Gross State Product Loss from 2017 to 2040

**19,104 Lost Jobs** or Job Equivalents per year

### It Gets Worse for Counties in the Red and Orange

1. Manufacturers won't be able to expand unless other businesses in the area shut down.
2. Federal highway funds could freeze.
3. Economic growth will halt.

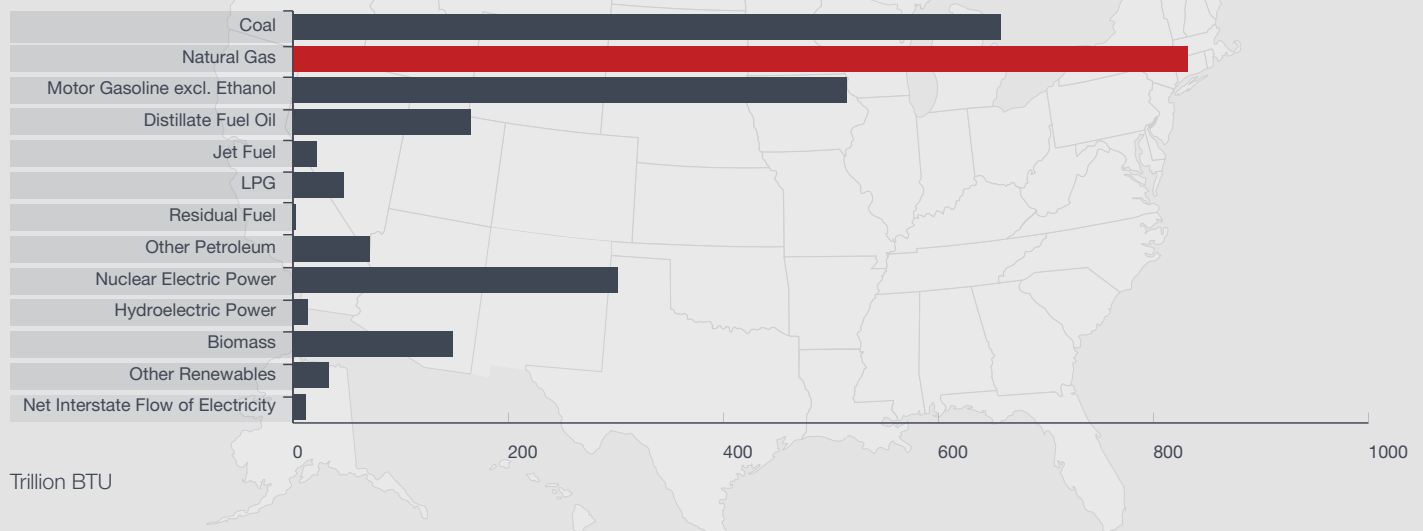
\*Based on 2011–2013 data accessed from <http://www.epa.gov/airtrends/>, <http://www.epa.gov/airdata/> and <http://bit.ly/1HjK2Jv>. Source: URS, July 7, 2014. Assumes all counties in a metropolitan, micropolitan or combined statistical area will be included in any potential nonattainment area. Some counties could be excluded and other included at the time of designation. Based on a 3-year period, 2011–2013.



- Monitored CBSAs and rural counties that would be violating a 65 ppb standard
- Unmonitored areas that are anticipated to violate a 65 ppb standard based on spatial interpolation

## Michigan Energy Consumption Estimates, 2013

(Energy Information Administration, State Energy Data System)



“The case for creating more jobs by expanding the market for American oil is a key reason why oil exports should be on this committee’s agenda this year.”

—Representative Fred Upton,  
Chairman of the House Energy and Commerce Committee.